

COOL-FIT 4.0 Target Market



Refrigeration (Cooling agent < 0°C / < 32°F)



Breweries and wineries



Vegetable and fruit, meat and fish processing



Cold stores



Supermarkets and diaries

Customer Pains in Refrigeration Applications











Robustness

Condensation and corrosion

Leakage

Weight

COOL-FIT 4.0 Key Benefits

Safe & reliable

- No condensation / ice
- 100 % corrosion free
- Robust / maintenance free

Time saving

- 3-in-1
- 50 % faster installation

Environmental friendly

- 30 % better insulation
- For environmental friendly secondary refrigerants



COOL-FIT 4.0 Key Benefits

+GF+



Easy handling, low logistic and infrastructure cost

Robust jacket & foam

Less damages and no maintenance costs

Machine guided welding and traceability

Fast, simple & safe jointing, machine secures quality

Chemically resistant

> 25 years life time, 100 % corrosion free and no maintenance

Complete range

Easy planning





COOL-FIT 4.0 Portfolio

















Pipes

Fittings

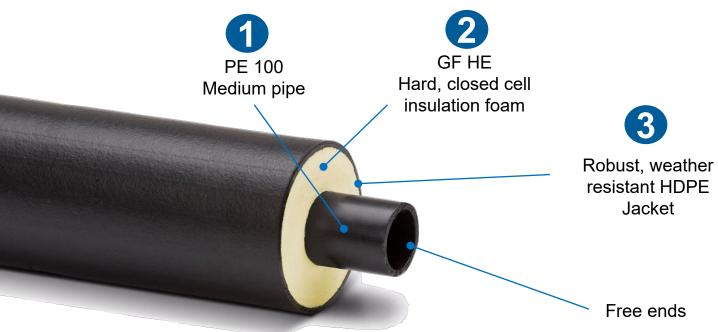
Valves

Tools

Flexible hoses

COOL-FIT 4.0 Pipes (3 in 1)





d/D	d/D		
32 / 90	225 / 315		
40 / 110	250 / 355		
50 / 110	280 / 400		
63 / 125	315 / 450		
75 / 140	355 / 500		
90 / 160	400 / 560		
110 / 180	450 / 630		
160 / 250			

- 40 mm insulation
- Heat transfer rate 0,022 0,026 W/m*K
- Media pipe and jacket insulate additionally

COOL-FIT 4.0 – Fittings (3 in 1)

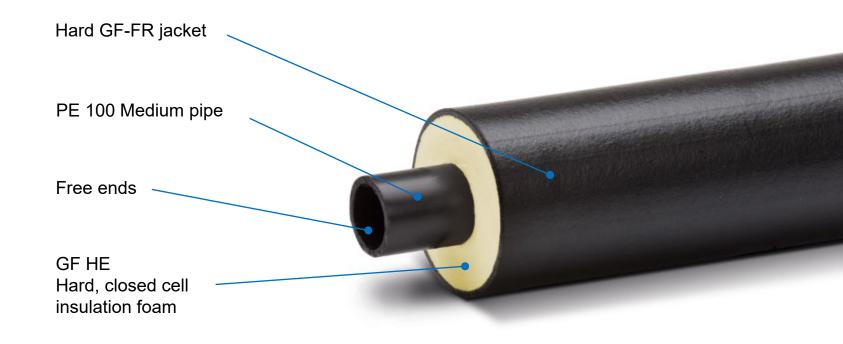




COOL-FIT 4.0F



COOL-FIT 4.0F with GF-FR jacket provides increased fire classification



COOL-FIT Insulated Valves





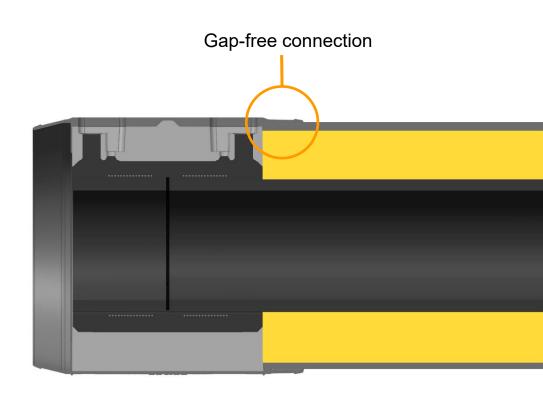
- Ball & Butterfly valves insulated
- Protective, hard PE jacket
- Vapour tight insulation (no gluing)
- Manual or actuated valves
- ISO-Interface for GF- and third party actuators

COOL-FIT 4.0 Vapour Sealing Lip



In refrigeration applications liquid temperatures are below 0 °C. The gap-free perfectly sealed connection between fittings- and pipe insulations avoid ice build-up and damage.





COOL-FIT Foam Removal & Peeling Tool



Pipes supplied in 5 m lengths with insulation free, peeled ends.



After cutting pipe to desired length, the GF COOL-FIT Tool can be utilised to provide free ends

- Foam removal in less than 2 min.
- All in one:
 - Cuts outer jacket
 - Releases insulation foam
 - Ensures correct insertion depth
 - Peels inner pipe

Up to pipes with d450mm

MSA Electro Welding Device



Data storage and easy communication via USB Stick



Automatic welding data recognition



Compact & 11 kg light

Automatic welding by integrated heat wires



System Specifications













	ecoFIT	COOL-FIT 2.0		COOL-FIT 4.0	
	(PE System)	COOL-FIT 2.0	COOL-FIT 2.0F	COOL-FIT 4.0	COOL-FIT 4.0F
Materials	PE100	PE100/GF HE/PE	PE100/GF HE/GF FR	PE100/GF HE/PE	PE100/GF HE/GF FR
Insulation	None	22 mm	22 mm	40 mm	40 mm
Jointing	Electro, butt socket	Electro fusion	Electro fusion	Electro fusion	Electro fusion
Fire class	n.a. (E)	E; A ₂ (Rockwool)	B s2 d0	E; A ₂ (Rockwool)	B s2 d0
Weather proof	Yes	No	No	Yes	Yes
Media temp.	– 50+60 °C	0+ 60 °C	0+ 60 °C	– 50+ 60 °C	-50+ 60 °C
Size range	d16 - d630	d32 – d140	d32 – d140	d32 – d450	d160 – d225
PN at 20°	16 bar	16 bar	16 bar	16 / 10 bar	10 bar